

DERWENT-ACC-NO: 1982-06705E

DERWENT-WEEK: 198204

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TITLE: Heat insulating laminated plate for wall
materials - comPrises high impact polystyrene outer layer,
ABS layer and (hydrogenated) styrene!-butadiene! block
copolymer intermediate layer

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PRIORITY-DATA: 1980JP-0064452 (May 15, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<u>JP 56161160 A</u>	December 11, 1981	N/A
003 N/A		

INT-CL (IPC): B32B027/30

ABSTRACTED-PUB-NO: JP 56161160A

BASIC-ABSTRACT:

High impact polystyrene(HIPS) (A) is used as one outer layer
acrylonitrile-buthadiene-styrene(ABS) (B) copolymer is used as
another outer
layer and styrene-buthadiene blocked copolymer or hydrogenated
styrene-buthadiene blocked copolymer is used as the intermediate
layer (C) to
form a laminated sheet. Pref. the intermediate layer (C) contains up
to 30
wt.% scraps of the laminated sheet composed of (A), (B) and (C)
polymers.
besides styrene-buthadiene blocked copolymer or hydrogenated styrene-
butadiene
blocked copolymer. Pref. thickness ratio of each layer is 70-30%
(A), 10-30%
(B) and 20-40% (C).

The resulting laminated sheet is used as wall material of heat-
insulating box.

The HIPS is prep'd. by polymerising a vinyl-substd. aromatic cpd. e.g. styrene, alpha-substd. styrene and nucleus-substd. styrene in the presence of synthetic rubber. The ABS polymer is a terpolymer composed of 16-29 wt.% acrylonitrile, 44-68 wt.% styrene and 10-35 wt.% rubbery polymer. The blocked polymer is obtd. by soln. polymerisation and has 1000-10,000 kg/sq.cm tensile elasticity.

TITLE-TERMS: HEAT INSULATE LAMINATE PLATE WALL MATERIAL COMPRISE HIGH IMPACT

POLYSTYRENE OUTER LAYER LAYER HYDROGENATION POLYSTYRENE
POLYBUTADIENE BLOCK COPOLYMER INTERMEDIATE LAYER

ADDL-INDEXING-TERMS:

HYDROGENATION POLYACRYLONITRILE

DERWENT-CLASS: A18 A32 P73

CPI-CODES: A04-B03; A04-C02E; A04-C03; A10-E13; A11-C03; A12-P06B;
A12-S07A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0003 0009 0231 0299 0300 0306 0307 3159 3161 0320
0321 0355

0356 0377 1095 1096 2011 2116 2120 2122 2218 2219 2401 2433 2437 2522
2617 2635

2654 2665 2721 2726 2775 2844

Multipunch Codes: 013 032 034 036 037 04- 055 056 058 059 072 074 076
117 122

231 248 27& 28& 289 308 310 311 355 381 421 431 443 477 50- 502 551.
556 567 573

575 596 604 606 617 679 721